



# MATERIAL SAFETY DATA SHEET # 2005

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SUPERSEDES: 03/30/00

## I. PRODUCT IDENTIFICATION

**Product:** LESCO 1% Dursban Granular Bait  
**Chemical Name/Synonyms:** Chlorpyrifos granules  
**Chemical Family:** Organophosphate insecticide

## II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
0,0-Diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate	0.2 mg/M <sup>3</sup> (chlorpyrifos)	1.0	002921-88-2
Corn Cob Carrier (Inert)	ND	99.0	--

## III. PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b>	NA	<b>Specific Gravity (water=1):</b>	NA
<b>Melting Point:</b>	NA	<b>Bulk Density (lbs./cu. ft.):</b>	50-65
<b>Vapor Pressure (mm Hg):</b>	NA	<b>Evaporation Rate:</b>	NA
<b>Vapor Density (air = 1):</b>	NA	<b>Percent Volatile:</b>	NA
<b>Solubility in Water:</b>	Negligible	<b>Appearance and Odor:</b>	light yellowish granules Mercaptan-type odor
<b>pH:</b>	ND		

## IV. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (method Used):</b>	ND	<b>Auto Ignition Temperature:</b>	ND
<b>Lower Explosion Limits:</b>	ND	<b>Upper Explosion Limits:</b>	ND
<b>NFPA/HMIS RATING:</b>	HEALTH 2	<b>FIRE REACTIVITY</b>	1 0
<b>Extinguishing Media:</b>	<input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Alcohol Foam <input type="checkbox"/> Other	<input type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> CO <sub>2</sub>

**Special Fire-Fighting Procedures:** Wear NIOSH approved positive pressure, self-contained breathing apparatus. Foam system is preferred because uncontrolled water can spread possible contamination. Prevent run-off from entering drains, sewers or bodies of water.

**Unusual Fire and Explosion Hazards:** Toxic irritating gases may be formed above 160°C (320°F).

## V. HEALTH HAZARDS

**Primary Route(s) of Entry:** Skin, eyes, inhalation, ingestion.

### Signs & Symptoms of Exposure

**Acute:** Eye pain and slight irritation. Single skin exposure not likely to cause irritation. Ingestion can cause serious injury.

**Chronic:** Excessive exposure may produce organophosphate type cholinesterase inhibition. Signs and symptoms of excessive exposure to active ingredient may be headache, dizziness, incoordination, muscle twitching, tremors, nausea, abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, salivation, tearing, tightness in chest, excessive urination, convulsions. Active ingredient produced mild adrenal effects when fed to rats, but only at doses that greatly exceeded any exposures that would be received during use of this product. Active ingredient did not cause cancer in animal studies. Active ingredient did not cause birth defects in laboratory animals. In animal studies, active ingredient has been shown not to interfere with reproduction. Based on a majority of negative data and some equivocal or marginally positive results, active ingredient is considered to have minimal mutagenic potential.

### Emergency First-Aid Procedures

**Eyes:** Irrigate immediately with water for at least 5 minutes.

**Skin:** Wash off in flowing water or shower. Wash contaminated clothing before reuse. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

**Inhalation:** Remove to fresh air if effects occur. Consult a physician.

**Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. (Never give anything by mouth to or attempt to induce vomiting in an unconscious person.)

**Notes to Physician:** Atropine by intravenous administration is the preferable antidote. Oximes may or may not be therapeutic but it is recommended they not be used in place of atropine. Suggest serum and/or RBC cholinesterase determination. Consult standard literature. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

### Toxicity Information:

**Oral LD<sub>50</sub>:** Acute(rat):>2000 mg/kg

**Dermal LD<sub>50</sub>:** Acute(rabbit):>2000 mg/kg

**Inhalation LC<sub>50</sub>:** (rat): >1.5 mg per liter for 4 hrs. **Eye Irritation:** slight  
**Skin Irritation:** very slight irritant

**Positive Teratogen or Mutagen Carcinogen(NTP): No Potential Carcinogen (IARC or OSHA): No**

#### VI. REACTIVITY

**Stability:**  Stable  Unstable

**Conditions to Avoid:** Avoid high temperatures. Store below 100° F(38° C). Chlorpyrifos undergoes exothermic decomposition at approx. 130° C(266° F) which can lead to higher temperature and violent decomposition if generated heat is not removed.

**Incompatibility:** Alkaline materials.

**Hazardous Decomposition Products:** If product is involved in fire hydrogen chloride, ethyl sulfide, diethyl sulfide and nitrogen oxides can be formed.

**Hazardous Polymerization:**  Will not occur  Will occur

#### VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

**If material is spilled:** Sweep, vacuum or shovel material into a container for reuse or disposal. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Prevent large quantities from contacting vegetation. Keep animals away from large spills. Spills of 1 pound of more active ingredient must be reported to the National Response Center.

**Waste Disposal Method:** Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Be sure bags are empty before disposal.

#### VIII. SPECIAL PROTECTION INFORMATION

**Protective Equipment Suggested for Outdoor Application:**

Impervious Gloves  Dust Mask  Respirator(use NIOSH/MSHA approved)  
 Impervious Boots  Clean Clothing  Eye Goggles / Safety Glasses

**Protective Equipment Suggested for Confined Areas:**

Sufficient Ventilation  Respirator(use NIOSH/MSHA approved)  Dust Mask  Splash Goggles/  
 Eyewash Station  Emergency Shower  Impervious Apron  Safety Glasses

#### IX. STORAGE AND HANDLING

**Precautions:** Store in a cool, dry place if possible. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources.

**Other Precautions:** Keep out of reach of children. Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Avoid breathing dust. Store in temperature below 100° F(38° C). Do not swallow. Wash thoroughly after handling.

#### X. FEDERAL REGULATORY INFORMATION:

**SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES**

Y Immediate (acute) Health

SEC 302: N/A

Y Delayed (Chronic) Health

SEC 304: N/A

N Fire

SEC 313: N/A

N Sudden Release of Pressure

CERCLA RQ: 1 lb(chlorpyrifos)

N Reactivity

CAA RQ: N/A

EPA Reg. No.: 10404-67

HM 181 Shipping Name: Not Regulated.

NA = Not Applicable

ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 15885 Sprague Road, Strongsville, OH 44136-1799, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)..

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